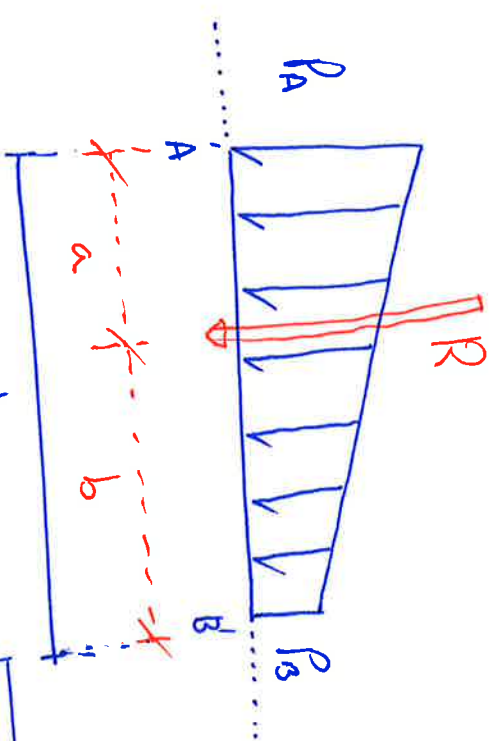


Forge // Trapezio : area e Gn

Simone Shahyad.

1. Trapezio



$$a = \frac{L}{3} \left[ \frac{2 \cdot P_B + P_A}{P_A + P_B} \right]$$

Lim.  $P_B \rightarrow 0$

$$a = \frac{L}{3}$$

ok?

$$b = \frac{L}{3} \left[ \frac{2 \cdot P_A + P_B}{P_A + P_B} \right]$$

$P_A \rightarrow 0$

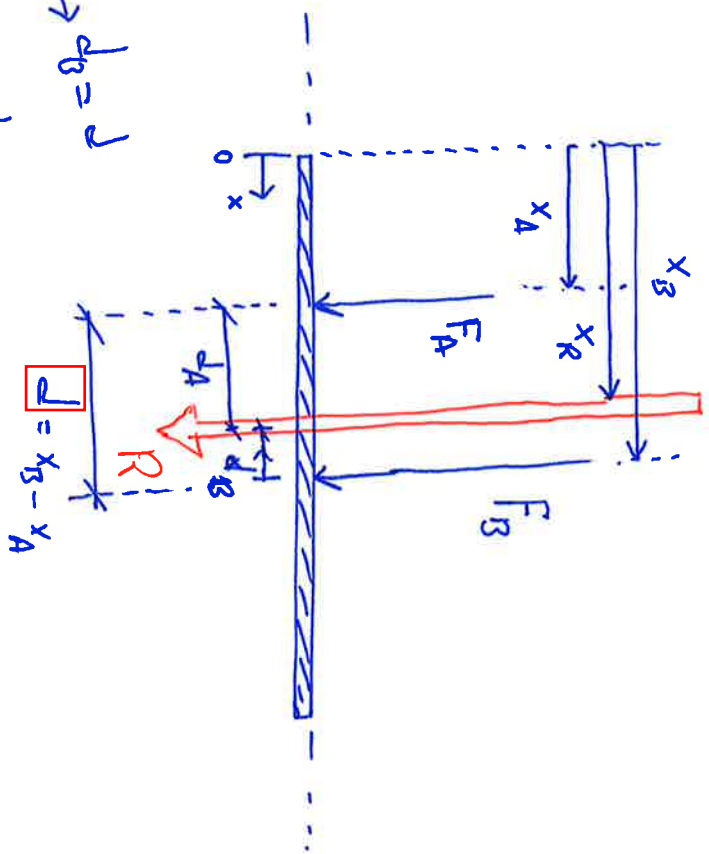
$$b = \frac{L}{3}$$

?

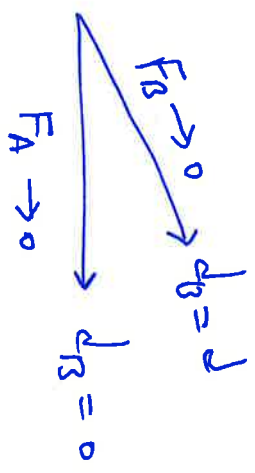
$$A_{\text{area}} = R_{\text{risultato}} =$$

$$\frac{L}{2} [P_A + P_B] = R$$

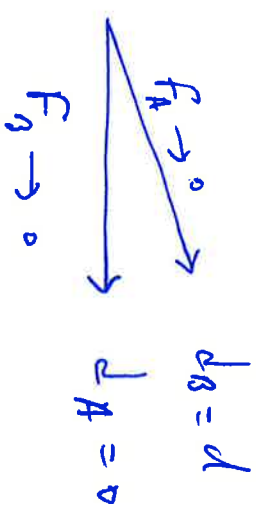
2. G due Force



$$d_B = \frac{F_A \cdot [d]}{F_A + F_B}$$

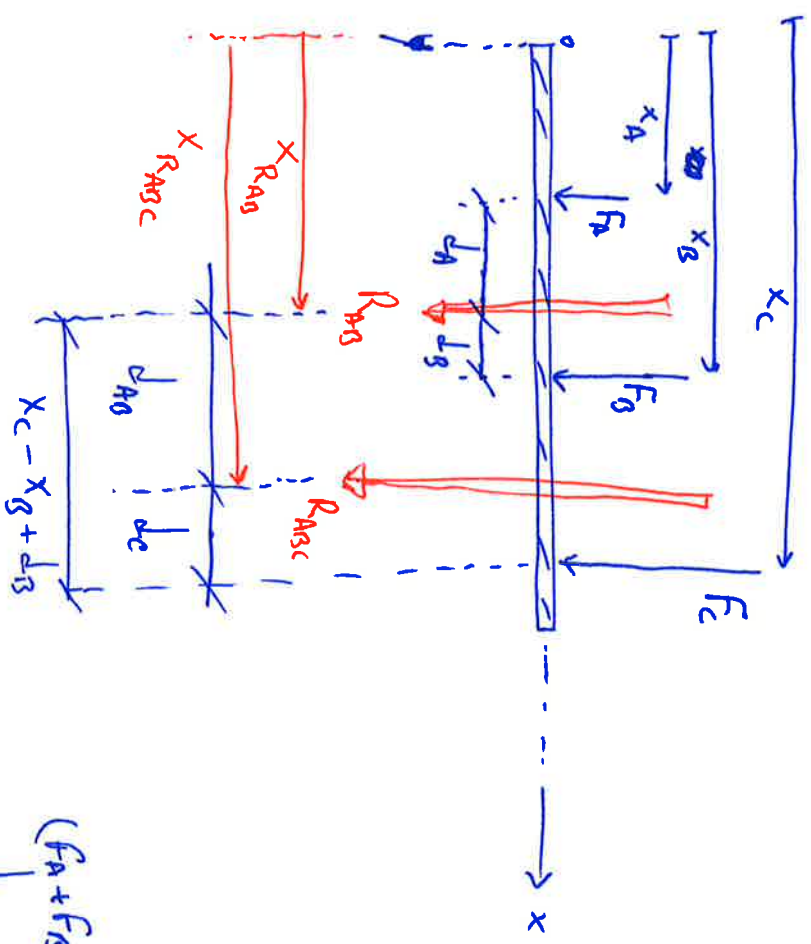


$$d_A = \frac{F_B \cdot [d]}{F_A + F_B}$$



$$x_R \equiv x_B - d_B \equiv x_A + d_A$$

3. G 3 Foye //



$$\downarrow d_B = \frac{F_A \cdot [x_B - x_A]}{F_A + F_B}$$

$$\downarrow d_C = \frac{R_{AB} [x_C - x_B + d_{BC}]}{F_A + F_B + F_C}$$

$$x_{R_{BC}} = x_C - d_C$$

OR

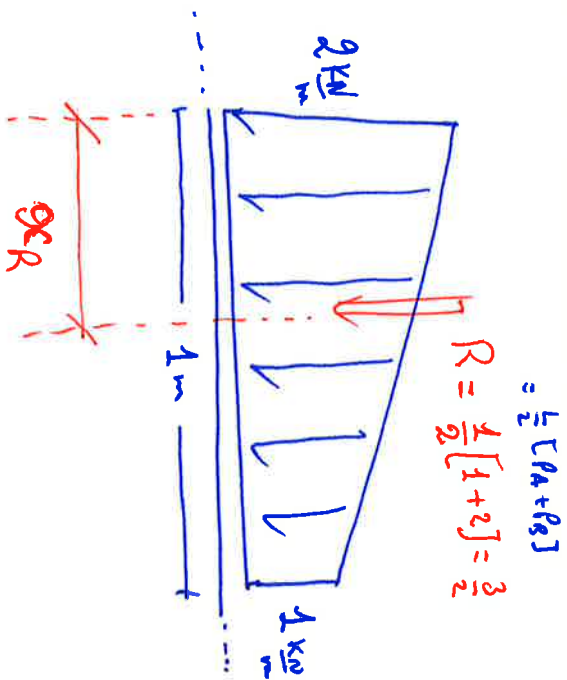
$$\downarrow d_A = \frac{F_B \cdot [x_B - x_A]}{F_A + F_B}$$

$$\downarrow d_{AB} = \frac{F_C [x_C - x_B + d_{BC}]}{F_A + F_B + F_C}$$

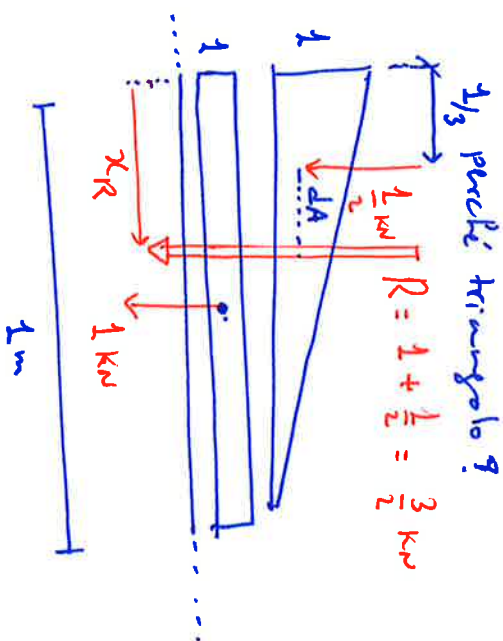
$$x_{R_{BC}} = x_A + d_A + d_{AB}$$

|||

Ex 10



$$x_R = \frac{1}{3} \left[ \frac{2 \cdot 1 + 2}{2 + 1} \right] = \frac{4}{9}$$



$$x_A = \frac{1 \cdot \left[ \frac{1}{2} - \frac{1}{3} \right]}{1 + \frac{1}{2}} = \frac{\frac{1}{6}}{\frac{3}{2}} = \frac{1}{9}$$

$$x_R = \frac{1}{3} + \frac{1}{9} = \frac{3+1}{9} = \frac{4}{9}$$